

PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038419	ACI001-VC	2	1	Net 30	M304R1.000	304 Round Bar 1.00 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft				48	11/24/2017	✓ 48	S018003	Stock	12/6/2017	\$ 6.57 / ft	0		\$315.21	Acier Ouellette Inc.	
		3			M304S24GA	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf				64		✓ 64	S018004	Stock	12/6/2017	\$ 2.90 / sf	0		\$185.44	Acier Ouellette Inc.	
		4			MT-1144-R1.750	1144 Steel Proof Round Bar 1.750"				12		✓ 11	S018005	Stock	12/6/2017	\$ 15.21 / ft	0		\$164.28	Acier Ouellette Inc.	
		6			M6061T6S.032	6061-T6 Sheet 0.032": MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf				144		✓ 144	S018006	Stock	12/6/2017	\$ 2.24 / sf	0		\$322.80	Acier Ouellette Inc.	
		7			M6061T6S.063	6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf					✓ 144	S018007	Stock	12/6/2017	\$ 2.76 / sf	0		\$396.95	Acier Ouellette Inc.		
		8			M6061T6S.040	6061-T6 .040 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf					✓ 144	S018008	Stock	12/6/2017	\$ 2.79 / sf	0		\$402.08	Acier Ouellette Inc.		
		9			M6061T6S.125	6061-T6 .125 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf					✓ 144	S018009	Stock	12/6/2017	\$ 6.28 / sf	0		\$904.17	Acier Ouellette Inc.		
		10			M303R2.000	303 Round Bar 2": MATERIAL: AISI 303 SS ROUND BAR				48		✓ 48	S018010	Stock	12/6/2017	\$ 32.59 / ft	0		\$1,564.11	Acier Ouellette Inc.	



PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038419	ACI001-VC	12	1	Net 30.	M304S24GA	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf				✓ 32	12/12/2017	32		S020564	Stock	12/12/2017	\$ 2.90 / sf	0	\$92.72	Acier Ouellette Inc.	
																				\$72.27	

Plex 12/12/2017 11:43 AM dart.Gagnon.Michelle

Plex 12/6/2017 10:53 AM Dart.Piouffe.Sonia



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038419

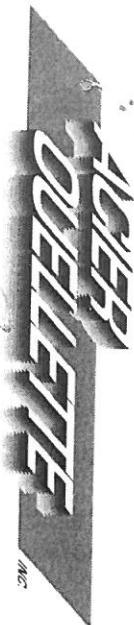
Supplier:	ACI001-VC Acier Ouellette Inc. 935 Boul. Du Havre Valleyfield QC J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696	PO No:	PO038419
		PO Date:	11/20/17
		Due Date:	11/24/17
		Purchase Order	
		Revision:	
		Revision Date:	
		Ship-To Contact:	Lavoie, Chantal Phone: clavoie@dataero.com
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	Via:	Ground
		Pymt Terms:	Net 30
		Freight Terms:	
		Special Comments:	quotation no sou0071752 and sou0071752

Items

Line Item	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M303B1.000X1.000	M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Received	11/24/17	24 ft	24 ft	0 ft	\$22.41666/ft	\$0.00
2	M304R1.000	304 Round Bar 1.00 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Received	11/24/17	48 ft	48 ft	0 ft	\$6.566875/ft	\$0.00
3	M304S24GA	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Received	11/24/17	64 sf	64 sf	0 sf	\$2.8975/sf	\$0.00
4	MT-1144-R1.750	1144 Steel Proof Round Bar 1.750"	Received	11/24/17	12 ft	10.8 ft	1.2 ft	\$15.210833/ft	\$18.25
5	M17-4-S11GA	17-4 SS Sheet 0.125 (AMS 5604 or ASTM 693) : MATERIAL: 17-4PH STAINLESS STEEL SHEET AS PER AMS 5604 MINIMUM YIELD TENSILE STRENGTH = 105 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 135 KSI receive ft	Received	11/24/17	32 ft	30 ft	2 ft	\$55.3125/ft	\$110.63
6	M6061T6S.032	6061-T6 Sheet 0.032" : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Received	11/24/17	144 sf	144 sf	0 sf	\$2.2416666/sf	\$0.00

Items									
Line Item	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7	M6061T6S.063	6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Received	11/24/17	144 sf	144 sf	0 sf	\$2.7565625/sf	\$0.00
8	M6061T6S.040	6061-T6 .040 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Received	11/24/17	144 sf	144 sf	0 sf	\$2.792222/sf	\$0.00
9	M6061T6S.125	6061-T6 .125 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Received	11/24/17	144 sf	144 sf	0 sf	\$6.2789583/sf	\$0.00
10	M303R2.000	303 Round Bar 2" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Received	11/24/17	48 ft	48 ft	0 ft	\$32.585583/ft	\$0.00
11	M1018R0.500	1018-1025 round bar .500 : MATERIAL: AISI 1018-1025 ROUND BAR AS PER MIL-S-7097 OR ASTM A108 Material, AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 MT1020 OR AMS 5075 OR AMS 5077 COLD DRAWN	Received	11/24/17	12 ft	18.9 ft	-6.9 ft	\$0.86833/ft	\$-5.99
12	M304S24GA	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	12/12/17	32 sf	0 sf	32 sf	\$2.8975/sf	\$92.72
Grand Total:									\$215.61
Order Notes									
Procurement Quality Clauses									
A005 right of entry									
A012 chemical and physical test report									
A016 personnel qualification									
A017 raw material identification (as applicable)									
A026 certification of material conformance									
A041 quality management system									
A042 part notification by supplier									
A043 retention of quality documents									
A048 counterfeit parts avoidance, detection, mitigation and disposition program									
A049 supplier awareness									
Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.									

Plex 12/12/17 11:24 AM dart.lavoie.chantal



DELIVERY - CLIENT

000063121

Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056
Date 2017/11/21

2017/11/21

三〇八

Your order N°

Processed by

Josianne Bourdon

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Instruction F-M

Conditions :
 All sold and delivered materials remain the property of "Acler Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acler Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acler Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By : Verified By :

30/04

Customer's Signature

Date

Total (\$CAD)

DELIVERY - CLIENT

CO00063121



ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056
Date 2017/11/21
Delivery date 2017/11/29
Your order N° 38419

Billed to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Salesman
Carrier

Credit Termes
Net 30 Days

Processed by

Josianne Bourdon

Instruction

F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Page

1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 ROUND SS 1 304 RANDOM RSS-1-V	128.16	48.00	PI2_\$CLB	1x12'3"	3x12'						
2 SHEET SS 24G SS304-2B (4 X 8) FESS-24G483042B 3441	67.20	64.00	PI2_\$CLB	1x12'3"	3x12'						
4 X 12' R/L HEAT											
3 ROUND STRESSPROOF 1 3/4 RANDOM RST-134-V	98.16	12.00	PI2_\$CLB	1x12'3"	3x12'						
1 X 12' HEAT AC11455-VA-23/11											
4 ALU SHEET .032 (20G) 6061-T6 (4 X 12) FEAL-0324126061 3096	65.09	144.00	PI2_\$CLB	1x12'3"	3x12'						
3 X 4' X 12' HEAT 425-911											

NIR : R-109516-6

DELIVERY - CLIENT

CO00063121



ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056
Date 2017/11/21
Delivery date 2017/11/29
Your order N° 38419

Billed to
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to, Ontario,
Att : CHANTAL LAVOIE Tél.: 613-632-5200

Salesman OUELETTE VALLEYFIELD
Carrier
Credit Termes Net 30 Days

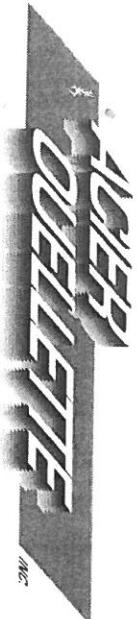
Instruction F-M

Delivery Route 5
Page 2

Product Description	Weight	Qty	U/M	CMD	EXP	B/I/O	IN	Internal Use Only			
								I	S	C	OUT
MATERIEL DOIT ETRE STAMPER TRA1894-23/11											
5 ALU SHEET .064 (14G) 6061-T6 (4 X 12) FEAL-0644126061 3169	129.74		144.00	P12_CLB							
3 X 4' X 12' HEAT MATERIEL DOIT ETRE STAMPER TRA1894-23/11											
6 ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121	81.07		144.00	P12_CLB							
3 X 4' X 12' HEAT MATERIEL DOIT ETRE STAMPER											
7 ALU SHEET 1/8 6061-T6 (4 X 12) FEAL-184126061 4253	254.02		144.00	P12_CLB							
3 X 4' X 12' HEAT Q150370											

DELIVERY - CLIENT

C000063121



ACIER OUELLETTE INC.

935, Boul. du Hâvre
 Salaberry de Valleyfield (Québec) J6S 5L1
 Tel.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°
CLI0001056

Date
2017/11/21

Delivery date
2017/11/29

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Salesman
Josianne Bourdon

Processed by

Carrier

Credit Termes
Net 30 Days

Instruction

F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Page
3

Delivery Route
5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
MATERIEL DOIT ETRE STAMPER TRA1894-23/11											
8 ROND SS 2 303 RANDOM NS RSS-2-V	523.20	48.00	PI-\$CLB				341319"				
4 X 12' R/L HEAT AC11454-JG-23/11							143111				
9 ROUND CR 1/2 1018 RANDOM RCR-12-V	13.36	20.00	PI-\$CLB				143111				
1 X 20' R/L HEAT							10'9"				

Total Weight (lbs) : 1 360.00

NIR : R-109516-6

Conditions :
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Prepared By :

Verified By :

Delivered By :

Time

Total (\$CAD)

Customer's Signature

Date



DELIVERY - USINE

Copy C000063121

ACTER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer No CLI0001056
Date 2017/11/21
Delivery date 2017/12/05
Your order N° 38419

Billed to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Instruction F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Page 1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121 3 X 4 X 12' HEAT: 63212/01 MATERIEL DOIT ETRE STAMPER AC11539-SA-04/12	81.07	144.00	PI2_SCLB								

Total Weight (lbs) : 81.07

NIR : R-109516-6

Conditions :

All sold and delivered materials remain the property of "Acer Ouellette Inc." until payment is made in full, complete and exact. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due of the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Delivered By :

Time

Total (\$CAD)

Customer's Signature

Date

Y	M	D
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ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Invoice

FC00066173

Sold to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : Facturation

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND SS 1 304 RANDOM RSS-1-V 5747 <i>1 X 12'3"</i> <i>3 X 12' HEAT: 640256</i>	128.82	48.25	PI_\$CLB	48.25	PI		4.00	79.213	316.85
SHEET SS 24G SS304-2B (4 X 8) FESS-24G483042B 3444 <i>2 X 4'X8' HEAT: 849356</i>	67.20	64.00	PI2_\$CLE	2.00	UN		2.00	92.720	185.44
ROUND STRESSPROOF 1 3/4 RANDOM RST-134-V 5799 <i>1 X 10'8" HEAT: 590135</i> <i>AC11455-VA-23/11</i>	87.19	10.66	PI_\$CLB	10.66	PI		1.00	162.150	162.15
ALU SHEET .032 (20G) 6061-T6 (4 X 12) FEAL-0324126061 3096 <i>3 X 4'X 12' HEAT: 425911</i> <i>MATERIEL DOIT ETRE STAMPER</i> <i>TRA1894-23/11</i>	65.08	144.00	PI2_\$CLE	3.00	UN		3.00	107.600	322.80
ALU SHEET .064 (14G) 6061-T6 (4 X 12) FEAL-0644126061 3169 <i>3 X 4'X 12' HEAT: 6150983001</i> <i>MATERIEL DOIT ETRE STAMPER</i> <i>TRA1894-23/11</i>	129.74	144.00	PI2_\$CLE	3.00	UN		3.00	132.316	396.95
ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121 <i>3 X 4'X 12' HEAT: 63212/01</i> <i>MATERIEL DOIT ETRE STAMPER</i> <i>AC11539-SA-04/12</i>	0.00	0.00	PI2_\$CLE	0.00	UN		3.00	134.026	0.00
ALU SHEET 1/8 6061-T6 (4 X 12) FEAL-184126061 4753 <i>3 X 4'X 12' HEAT: 6150970</i>	254.01	144.00	PI2_\$CLE	3.00	UN		3.00	301.390	904.17



ACIER OUELLETTE INC.

935, Boul. du Hâvre .
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Invoice

FC00066173

Sold to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Customer N°

CLI0001056

Date

2017/11/30

Your order N°

38419

Processed by

Melanie

Salesman

JOSIANNE

Carrier

OUELLETTE VALLEYFIELD

Credit Term

Net 30 Days

Order N°

CO00063121

Page

2

Att : Facturation

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
MATERIEL DOIT ETRE STAMPER TRA1894-23/11									
ROND SS 2 303 RANDOM NS RSS-2-V 8931 3 X 13'9", 1 X 13'11" HEAT: 6254	601.35	55.17	PI_\$CLB	55.17	UN\$_UN		4.00	449.435	1 797.74
ROUND CR 1/2 1018 RANDOM RCR-12-V 5267 1 X 18'9" HEAT: 140431	12.52	18.75	PI_\$CLB	18.75	PI		1.00	9.770	9.77
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQU	0.00		\$						3.95
NOTE :									

Conditions : Total Weight (Lbs) : 1 345.95

All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Subtotal	4 099.82
TPS/GST : 822 670 774 RT0001	
TVA/QST : 122 127 8182 TQ0001	HST
	532.98
Total (\$CAD)	4 632.80
Solde (\$CAD)	4 632.80



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO038419

Supplier:	ACI001-VC Acer Ouellette Inc. 935 Boul. Du Havre Valleyfield QC J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696	PO No:	PO038419
		PO Date:	11/20/17
		Due Date:	11/24/17
		Purchase Order Revision:	
		Revision Date:	
		Ship-To Contact:	Phone:
		Via:	Ground
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	Pymt Terms:	Net 30
		Freight Terms:	
		Special Comments:	quotation no sou0071752 and sou0071752

E-MAILED
NOV 21 2017

Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M303B1.000X1.000	-	M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft		Firmed	11/24/17	24 ft	0 ft	24 ft	\$22.41666/ft	\$538.00
2	M304R1.000	-	304 Round Bar 1.00 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft		Firmed	11/24/17	48 ft	0 ft	48 ft	\$6.566875/ft	\$315.21
3	M304S24GA	-	304/316 .025 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf		Firmed	11/24/17	64 sf	0 sf	64 sf	\$2.8975/sf	\$185.44
4	MT-1144-R1.750	-	1144 Steel Proof Round Bar 1.750"		Firmed	11/24/17	12 ft	0 ft	12 ft	\$15.210833/ft	\$182.53
5	M17-4-S11GA	-	17-4 SS Sheet 0.125 (AMS 5604 or ASTM 693) : MATERIAL: 17-4PH STAINLESS STEEL SHEET AS		Firmed	11/24/17	32 ft	0 ft	32 ft	\$55.3125/ft	\$1,770.00



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO038419

Items											
Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			PER AMS 5604 MINIMUM YIELD TENSILE STRENGTH = 105 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 135 KSI receive ft								
6	M6061T6S.032 ✓	-	6061-T6 Sheet 0.032" : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	11/24/17	✓ 144 sf	0 sf	144 sf	\$2.2416666/sf	\$322.80	144SF SOP 12-6
7	M6061T6S.063 ✓	-	6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	11/24/17	✓ 144 sf	0 sf	144 sf	\$2.7565625/sf	\$396.95	144SF SOP 12-6
8	M6061T6S.040 ✓	-	6061-T6 .040 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	11/24/17	✓ 144 sf	0 sf	144 sf	\$2.792222/sf	\$402.08	144SF SOP 12-6
9	M6061T6S.125 ✓	-	6061-T6 .125 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	11/24/17	✓ 144 sf	0 sf	144 sf	\$6.2789583/sf	\$904.17	144SF SOP 12-6
10	M303R2.000	-	303 Round Bar 2" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT	Firmed	11/24/17	✓ 48 ft	0 ft	48 ft	\$32.585583/ft	\$1,564.11	48FT SOP 12-6



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038419

Items											
Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			ACCEPTABLE receive ft								
11	M1018R0.500	-	1018-1025 round bar .500 : MATERIAL: AISI 1018-1025 ROUND BAR AS PER MIL-S-7097 OR ASTM A108 Material, AISI 1020-1025 ROUND TUBING PER MIL-T-5066 OR ASTM A513-00 MT1020 OR AMS 5075 OR AMS 5077 COLD DRAWN	Firmed	11/24/17	12 ft	0 ft	12 ft	\$0.86833/ft	\$10.42	

Grand Total: \$6,591.70

Order Notes

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents
- A048 counterfeit parts avoidance, detection, mitigation and disposition program
- A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/20/17 1:33 PM DART.LAVOIE.CHANTAL

**ACIER OUELLETTE INC.**

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0071752

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer № CLI0001056**Date** 2017/11/17**Revision №** 0**Prices valid until** 2017/11/24**Your Order №****Processed by** BERNARD**Salesman** JOSIANNE**Carrier** OUELLE SDV**Credit Terms** Net 30 Days**Page** 1

Product № and description	Weight	Qty U/M	Qty U/M Price	Pcs Nb	Price	Amount
CARRE SS303 1" N 2 X 12' R/L 7-10 DAYS	0.00	2.00 UN	2.00 UN	2.00	269.000	538.00
ROUND SS 1 304 RANDOM RSS-1-V 5747 4 X 12' R/L STOCK	128.16	48.00 PI_\$CLB	48.00 PI	4.00	78.802	315.21
SHEET SS 24G SS304-2B (4 X 8) FESS-24G483042B 3441 2 X 4' X 8' STOCK	67.20	64.00 PI2_\$CLB	2.00 UN	2.00	92.720	185.44
ROUND STRESSPROOF 1 3/4 RANDOM RST-134-V 5799 1 X 12' 3-4 DAYS	98.16	12.00 PI_\$CLB	12.00 PI	1.00	182.530	182.53
SHEET 17-4 11G N 1 X 4' X 8' 7-10 DAYS	0.00	1.00 UN	1.00 UN	1.00	1 770.000	1 770.00
ALU SHEET .032 (20G) 6061-T6 (4 X 12) FEAL-0324126061 3096 3 X 4' X 12' 2-3 DAYS	65.09	144.00 PI2_\$CLB	3.00 UN	3.00	107.600	322.80
ALU SHEET .064 (14G) 6061-T6 (4 X 12) FEAL-0644126061 3169 3 X 4' X 12' 2-3 DAYS	129.74	144.00 PI2_\$CLB	3.00 UN	3.00	132.316	396.95
ALU SHEET .040 (18G) 6061-T6 (4 X 12) FEAL-0404126061 3121 3 X 4' X 12' 2-3 DAYS	81.07	144.00 PI2_\$CLB	3.00 UN	3.00	134.026	402.08
ALU SHEET 1/8 6061-T6 (4 X 12) FEAL-184126061 4253 3 X 4' X 12' 2-3 DAYS	254.02	144.00 PI2_\$CLB	3.00 UN	3.00	301.390	904.17
ROND SS 2 303 RANDOM NS RSS-2-V 8931 4 X 12' R/L 3-4 DAYS	523.20	48.00 PI_\$CLB	48.00 UN_\$UN	4.00	391.027	1 564.11

préavis en fonction de l'évolution des prix de l'acier sur le marché.
Cette offre est sujette et conditionnelle à l'approbation du crédit.

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0071752

Billed to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N° CLI0001056**Date** 2017/11/17**Revision N°** 0**Prices valid until** 2017/11/24**Your Order N°****Processed by** BERNARD**Salesman** JOSIANNE**Carrier** OUELLE SDV**Credit Terms** Net 30 Days**Page** 2

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE			\$						3.95

Total Weight (Lbs) 1 346.64**Important**

This offer is based on availability and current pricing conditions that may be revised upon prévision de l'évolution des prix de l'acier sur le marché.
Cette offre est basée sur les conditions actuelles de l'offre et peut être modifiée en fonction de l'évolution des prix de l'acier sur le marché.

Approuvé et Accepté par :

Sub-total 6 585.24

TVH-13 · 856.08

Date : _____

Total (\$CAD) 7 441.32

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0071884

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N° CLI0001056**Date** 2017/11/20**Revision N°** 0**Prices valid until** 2017/11/27**Your Order N°****Processed by** BERNARD**Salesman** JOSIANNE**Carrier** OUELLE SDV**Credit Terms** Net 30 Days**Page** 1

Product N° and description	Weight	Qty U/M	Qty U/M	Price	Pcs Nb	Price	Amount
ROUND CR 1/2 1018 RANDOM RCR-12-V 5267 <i>1 X 12' R/L STOCK</i>	8.02	12.00 PI-\$CLB	12.00 PI		1.00	10.420	10.42
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE		\$					3.95

Total Weight (Lbs) 8.02**Important**

This offer is based on availability and current pricing conditions that may be revised upon
réception de l'offre et de l'évolution des prix de l'acier sur le marché.
Cette offre est basée sur les conditions actuelles de disponibilité et de prix.
This offer is subject to change and conditions are subject to approval of the credit.

Approved and Accepted by :

Date : _____

Sub-total 14.37

TVH-13 . . 1.87

Total (\$CAD)**16.24**

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304R 1.000
 DATE: DEC 08 2017

PO / BATCH NO.: 038419/5018003

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 48"
 QUANTITY INSPECTED: 48"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Astm A 276/A</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>test# 640256</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>puj</u>	SIGNED OFF BY:	
DATE:	<u>DEC 08 2017</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 434136 SS ROUND BAR
(NOTE: AISI 303 NOT ACCEPTABLE)
SPECIFICATION: ASTM A276
PART NUMBER: M304RIDDDD
DIA:

WHERE "B.BBB" = DIAMETER IN INCHES
EG. 0.75" ROUND BAR = M304R0.750

6

6

		B REFORMATT DWG ADD SPECGS (ZN DE-1), REFPAR-08-020A	
A REV	NEW ISSUE		
DESIGN	AJS		CP
DRAWN	AJS		09 07/15
CHECKED	AJS		08 03/03
MFG. APPR.	AJS		DATE
APPROVED	AJS		
DE APPR.	AJS		
DATE	09.07.15		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO.	M304R		REV. B
TITLE	304/316 ROUND BAR		SHEET OF 1
			SCALE
			NITS
<small>THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF DART AEROSPACE LTD. NOT TO BE COPIED, DUPLICATED, OR MADE AVAILABLE TO UNAUTHORIZED PERSONS. DRAFT COPY - DO NOT USE.</small>			

RELEASE
09/03/2025

LES ACIERS TRANSBEC (1997) LTÉE
4054, BOULEVARD CORBUSIER, BUREAU 201
LAVAL, QUEBEC, H7L 5R2 - CANADA

OLARRA

Trade Mark - Zeichen des Lieferwerkes
Anagrama del suministrador

Works Inspector Stamp - Werkssachverständiger:
Sello del Inspector



Certificate type - APZ Nach EN 10204/3.1		Certificate n° - Prüf-Nr 320019		Date - Datum - Fecha 11 - 07 - 2017							
Our order N° Works - Nr Nº de Referencia 640256		Your order N° Bestell - Nr Pedido N° 47772-STR									
Steel: Grade Workstoff Cälidad		According to Entspricht und Corresponde		ASTM A 479 / A 479M-15.							
Shape and Size - Gaganslad Péfil y dimensión ROUND 1"		Tolerance - Toleranz Tolerancia ASTM A 484 /TB.7	Bundles Bunde Bulos	Bars Stäbe Barras	Weight Gewicht Peso						
			2		2478 Lbs						
ASME SA 479 / SA 479M-15 ASTM A 276/A 276M-16a. ASTM A 182/A 182M-16. ASME SA 182 / SA 182M-16 ASTM A 193/A 193M-16.B8 CLASS.1. ASME SA 193/SA 193M-15 B8 CLASS.1. SAE AMS 5547J-11. SAE AMS 5639H-02. AMS QQS 763D-15 COND.A. ASTM A 320 / A 320M-14.		Requirements - Anforderungen - Exigencias Chemical composition according to ASTM F 899-12b. Chemical composition according to DOD-F-24669/6. Type 304-F.304-F.304L.									
Melting process / Erschmelzungsart / Proceso de Fusión E.A.F. / A.O.D.		Heat treatment / Wärmebehandlung / Tratamiento térmico 1050C 4H/Std WATER/WASSER/AGUA									
Solution annealed/Abgeschreckt/Hipertemper-Turned/Drahten/Torneado-Polished/Poliert/Pulido-											
Test results - Ergebnis der Prüfungen - Resultados de los ensayos											
Dimension of Specimen Abmessungen des Probenstücks Medida de los probetas		Rp0,2% KSI	Rp 1% KSI	Rm KSI	A %L 6D	A %L 4D	Z %	Hardness Härte HBw	Impact test / Kerschschlag / Rosilancia ISO V fl. lb		
RD. 12,50 mm.		Mn.	25		70		40	50			
		Mn.									
Temperatur °C 20		Spec N° Probe Nr. Pro N°	1	54	60	96		51	72	197	
C	S%	Mn	P	S	Cr	Mo	Ni	Cu	N	Co	
Min					18,00		0,00				
Max.	0,030	1,00	2,00	0,045	0,030	20,00		12,00		0,1000	
	0,025	0,38	1,57	0,038	0,026	18,00	0,26	8,05	0,41	0,0850	0,14
Visual and dimensional inspection Besichtigung und Ausmessung O.K. Control visual y dimensional			Radioactivity inspection Radioaktivitätskontrolle O.K. Control de Radioactividad			Antimicing test Spucktröckentestungsp: O.K. Antimicida			Grain Size Körnung Tamaño de grano		
Remarks - Bemerkungen - Observaciones Free From Mercury contamination/Quecksilberfreiheit. No weld repair. IC test acc./IK prüfung nach ASTM A 262 E.15. OK										EDV / EDP Acc. EN 10.204 Murian Tejedo Quality Mng.	
										Works Inspector Der Werkssachverständige Inspector de fábrica	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-1144-R1.750
 DATE: DEC 08 2017

PO / BATCH NO.: 038419/5018005

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 11"
 QUANTITY INSPECTED: 11"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.750
 THICKNESS RECEIVED: 1.750
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Astm A311</i>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Heat-TF 590135</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>per</u> / <u>5</u> DATE: <u>DEC 08 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 1144 STRESSPROOF STEEL ROUND BAR
 SPECIFICATION: ASTM A311 or UNS G11440
 MT-1144-R [D.DDD]
 WHERE "D.DDD" = DIAMETER IN INCHES
 EG. 5/8" ROUND BAR = MT-1144-R0.625

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.08.09	VM	WM <i>W.M. S. 12</i>

<div style="position: absolute; top: 0; left: 0; width: 100%; height:

No. de commande / order # AC00011455	CLIENT / CUSTOMER ACIER OUELLETTE INC	No. d'expédition/packing slip # L29869-01	DATE 22-Nov-17
NO. DU MATERIEL / I.D. # 2015-1798	NUANCE/ GRADE 1144 Stressproof	TRAITEMENT THERMIQUE / HEAT TREATMENT COLD FINISHED / FINI À FROID	COULEE / HEAT # 590135
FORME / SHAPE Round / Rond	DIMENSION / SIZE 1.750" in.	SPÉCIFICATIONS ASTM A108-07, A311 Class B	

ANALYSE CHIMIQUE / CHEMICAL COMPOSITION				
	Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
actuel (%)	0.440	0.190	1.420	0.010
	Sulfur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
actuel (%)	0.270	0.050	0.070	0.020
	Copper (Cu)	Vanadium (V)	Lead (Pb)	Nitrogen (N) <i>5 11/2/11</i>
actuel (%)	0.200	0.004	0.001	.

PROPRIÉTÉS MÉCANIQUES / MECHANICAL PROPERTIES				
Yield Strength / Elasticité	Résistance à la traction / Tensile	Alongement / Elongation (%)	Réduction surface / ratio	Surface HD/dureté
121,300 PSI	133,300 PSI	9.0%	23.0	244 BHN

Aucune réparation exécutée par soudure durant la fabrication de ce produit. Par la présente nous attestons que les résultats ci-haut mentionnés ont été vérifiés et sont conformes aux spécifications.

No weld repairs performed during the manufacturing of this product. We hereby certify that the above results have been verified and conform to the above mentioned specifications.

Keith BALL

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061+69.032
 DATE: DEC 09 2017

PO / BATCH NO.: 038419/5018006

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 144 m²
 QUANTITY INSPECTED: 149 m²
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.32
 THICKNESS RECEIVED: 0.32
 SHEET SIZE ORDERED: 4x12
 SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	QC-A-250/11
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Heat # 425-811
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>M</u>	SIGNED OFF BY: _____
DATE: <u>DEC 09 2017</u>	DATE: <u>11/12/17</u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION:
QQA-250/11 OR AMS-QQA-250/11
OR AMS-4025 OR AMS 4027
OR ASTM B209

PART NUMBER:

M6061T6S | XXX

| THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061T6S .063

PREFERRED SIZE:

.XXX BY 4FT BY 8FT

△

D

C

B

RELEASED
R 2009-09-10
[Signature]

B		REFORMAT DWG ADD B209 SPEC (ZN 08-1).		CP		09/07/13	
A		NEW ISSUE		DS		01/06/08	
REV		DESCRIPTION		BY		DATE	
DESIGN		DART AEROSPACE LTD					
DRAWN		HAWKESBURY, ONTARIO, CANADA		DRAWING NO.		REV. B	
CHECKED		<i>[Signature]</i>		M6061T6S		SHEET 1 OF 1	
MFG. APPR.		<i>[Signature]</i>		TITLE		SCALE	
APPROVED		<i>[Signature]</i>		6061-T6 SHEET SPEC		NTS	
DE APPR.							
DATE	09.07.13						

A	COPYRIGHT © 2009 DART AEROSPACE LTD. THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL. NOT TO BE COPIED, REPRODUCED, OR DISSEMINATED TO ANY OTHER PERSON, OR FOR COMMERCIAL PURPOSES, WITHOUT THE WRITTEN CONSENT OF DART AEROSPACE LTD.		
B		SHEET 1 OF 1	
C		REV. B	
D		SCALE	
E		NTS	
F			
G			
H			
I			
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CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material in the composition units and had the mechanical properties shown on the face of this sheet. This report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law. Per:

Rob Woodall
Rob Woodall

Director of Manufacturing Davenport Works

Terrence Thom
Terrence Thom
Quality Assurance Manager

Page 2 of 2

Lot:	425911	-	Mechanical	Physical	Metallography	Quantometer Results (cont.)	-----
			47.8	39.4	13.2		
			47.8	39.6	13.1		
			47.9	39.7	13.1		
			47.8	39.6	13		
			48.1	40	12.9		
			47.7	39.5	13.1		
			47.8	39.6	13		
			47.8	39.6	12.9		
			48	39.9	12.9		

Cast Number Chemical - OES SI FE CU MN MG CR ZN TI Other Each Other Total
H980704 Actuals 0.63 0.4 0.23 0.05 0.9 0.16 0.05 0.03 < 0.05 < 0.15

This material was melted in the United States or a Qualifying Country (REF DFARS 225.872.1(a)); it was manufactured in the United States

3046314 Ship From: RIVERDALE, IA.
Ship Date 0 B.L. No. Invoice No. Alcoa No. Item
2016-10-13 11076376 00000 1000835710-1 DPE-35710-01-1
P.O. No./Govt Contract No. Customer Alcoa Item
C72949 Ln#: 1 SAMUEL SON & CO LT G04101541BR19

PAGE - 206V.

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material described below, including any specifications forming part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without its written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.	
 Rob Woodall Director of Manufacturing Davenport Works	
 Terrence Thom Quality Assurance Manager	

We hereby certify that the material described below, including any specifications forming part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without its written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

		Ship From:		RIVERDALE, IA.	
Ship Date	B.L. No.	Invoice No.	Alcoa No.	Item	
2016-10-13	11076376	00000	1000835710-1	DPE-35710-01-1	
P.O. No./Govt Contract No.	Customer			Alcoa Item	

CT2949 Ln#: 1 SAMUEL SON & CO LT G04101541BR19

Page 1 of 2

Item Description
 0.032 IN TK (+0.0000 -0.0025) X 48.0 IN W (+.125 - .125) X 144.0 IN IN (.15625 -.15625) CRT X G04101541BR (N) H/T 6061-T6 FLAT SHEET FOR DISTRIBUTORS
 TOLERANCE GUARANTEED. AMS4027 REV N ANSTH35.2 REV 2013 EXC_MRK ASME-SB-209 REV 15 EXC_MRK ASTMB209 REV 14
 ((MARKED)) KRAFT PAPER INTERLEAVED
 MAX GROSS WGT: 4750 LB QUAN TOL +/- 40 % CQR D126859 REV 44 CUST REQ 16-08-24 *** W/E 16-08-27 ***

Num	Package Ticket	Lot	Weight	Quantity	UDM	Inspector Clock Numbers
---	---	---	---	---	---	---
1	295127	425911	3878	191	PC	27338 47474

Notes for QCR: D126859-44
 PRODUCT PRODUCED TO THE REQUIREMENTS OF AMS4027 REV N ALSO MEET THE REQUIREMENTS OF AMS-QQ-A-250_11 ORIGINAL REVISION DATED 1997-08-01.

QCR: D126859-44 -Specification Limits

Temp	Dir	UTS	TYS	ELAD
T6	Long Transv.	KSI	KSI	PCT
		Max 42.0	35.0	10

Chemical Composition	SI	FE	CU	MN	MG	CR	ZN	TI	Other	Other	Total Aluminum
Allloy 6061	Max 0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15	
Lot: 425911	Min 0.40		0.15		0.8	0.04					REMAIN
No->	UTS	TYS									
Temp	Test	KSI									
T6	Long Transv.	10	47.9	39.7							

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061+6S.063
 DATE: DEC 09 2017

PO / BATCH NO.: 038419/5018007

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 144P
 QUANTITY INSPECTED: 144P
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .063
 THICKNESS RECEIVED: .063
 SHEET SIZE ORDERED: 5X12
 SHEET SIZE RECEIVED: 5X12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>AMS-QQ-A-250/11</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>Heat # 6150983001</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>JL</u> DATE: <u>DEC 09 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION:
 QQ-A-250/11 OR AMS-QQ-A-250/11
 OR AMS 4025 OR AMS 4027
 OR ASTM B209

PART NUMBER:

M6061T6S | XXX |
THK |

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061T6S.063

PREFERRED SIZE:

XXX BY 4FT BY 8FT



PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION:
 QQ-A-250/11 OR AMS-QQ-A-250/11
 OR AMS 4025 OR AMS 4027
 OR ASTM B209

PART NUMBER:

M6061T6S | XXX |
THK |

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061T6S.063

PREFERRED SIZE:

XXX BY 4FT BY 8FT

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION:
 QQ-A-250/11 OR AMS-QQ-A-250/11
 OR AMS 4025 OR AMS 4027
 OR ASTM B209

PART NUMBER:

M6061T6S | XXX |
THK |

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061T6S.063

PREFERRED SIZE:

XXX BY 4FT BY 8FT

RELEASED
R 2009-09-10

[Signature]

B	REFORMAT DWG. ADD B209 SPEC (ZND8-1).	CP	09/07/13
A	NEW ISSUE	DS	01/06/08
REV	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		REV. B	
MFG. APPR.	<i>[Signature]</i>	M6061T6S	
APPROVED	<i>[Signature]</i>	SHEET 1 OF 1	
DE-APPR.	<i>[Signature]</i>	SCALE	
DATE	09.07.13	6061-T6 SHEET SPEC	NTS
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 16061769.040
 DATE: DEC 09 2017

PO / BATCH NO.: 038419/5018008

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 144P²
 QUANTITY INSPECTED: 144P²
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
 THICKNESS RECEIVED: .040
 SHEET SIZE ORDERED: 4X12
 SHEET SIZE RECEIVED: 4X12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>AMS-QQ-A-250/11</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>Heat # 63212/21</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>M</u>	SIGNED OFF BY: _____
DATE: <u>DEC 09 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

HEAT-615098300

PAUL MELV

MILL TEST/QUALITY CONTROL CERTIFICATE

ALNAN ALUMINUM INC.

No.55 TingHong Road Nanning,Guangxi,530031,China

20

CUSTOMER EMPIRE RESOURCES, INC.	ADDRESS 2115 LINWOOD AVENUE, 2ND FLOOR, FORT LEE, NJ 07024, USA	PRODUCT TYPE												DATE: February 20, 2016									
		PRIME ALUMINUM COIL																					
UNIQUE Lot Number	HEAT Number	Dimension (mm)	Dimension (inch)	Act Thick (mm)	Act Thick (inch)	WT MT	Alloy	Temper	AI	Cu	Mg	Si	Fe	Mn	Zn	Ti	Cr	Elong (%)	UTS ksi	Yield ksi			
Standard	Standard	0.940±0.026	0.037±0.004					T6										0.15max.	0.04-0.35	10min.	42.0min.	35.0min.	
Standard	Standard	1.651±0.251	0.065-0.128					T6										0.15-0.40	0.8-1.2	0.40-0.8	0.7max.	0.15max.	
Standard	Standard	3.277±0.325	0.129-0.249					T6										0.15-0.40	0.8-1.2	0.40-0.8	0.7max.	0.15max.	
																		0.15max.	0.15max.	0.04-0.35	10min.	42.0min.	35.0min.
2016072200117	6150983001	3.277±0.325	0.129-0.249	0.043±0.05	1.541	0.061	4.698	6051	T6	remainder	0.29	1.07	0.65	0.23	0.12	0.35	0.03	0.24	13.5	44.5	39.0		
The following blank																							

ORIGIN OF GOODS AS ALNAN ALUMINUM INC.

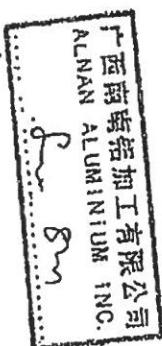
ACTUAL MILL CHEMICAL AND MECHANICAL PROPERTY TEST REPORTS IN MATERIAL NOMENCLATURE REQUIRED PER SKID

MATERIAL CONFORMS FOR ALLOY 6061, T6, AS PER ASTM B209-14 (AMS QQA 25011) AMS 4027 AND ALUMINUM ASSOCIATION STANDARDS-2009 IN ALL ASPECTS.

COUNTRY OF MELT AND MANUFACTURE-CHINA

Issued by [OA73]

Reviewed by [OA77]



CO. 63121 DART

Po. 11589

AMAG

ROLLING

Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 89050631

01 / 1

Rev.: 0

Seite / page:

1 von / of 2

Datum / date:

2017 05 18

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Bestell Nr. / order no.:	C 73968
Datum / date:	2017 01 27
Auftragsbestl. Nr. / order confirm no.:	125470
Datum / date:	2017 01 30
Lieferschein Nr. / delivery note:	89050631
Datum / date:	2017 08 30

Produkt / product:	Bedingungen / terms:
Form / form: Sheet Werkstoff / material: 6061 Zusland / temper: T6 Dim. / dim.: [inch]: 0,040x48,00x144,00	Technische Lieferbedingungen / techn. spec.: AMS-QQ-A-250/17, 08.1997 ASTM B 209 - 14 ✓ AMS 4027N, 07.2008 Cessna CMMP019, Rev. D, 09-07-01 Cessna CMMP025, Rev. V, 2-20-15 Sondervorschrift / special terms: S 17/12/4

AB-Pos. ord.-item.	BNr/Los. Lot-No.	Stelllos. Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
03	63212/01	00	01/0082345/7	6061	1254700013	2339,065 lbs	87
03	63212/01	00	01/0082345/7	6061	1254700014	2343,474 lbs	87

Chemische Zusammensetzung ([%]) Gewichtsanteile) / Chemical composition ([%) weight proportion (OES))											
Guss Nr / cast no.	material										
		Si	Fe	Cr	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
01/0082345/7	6061	spec. min.	0,40	-	0,15	-	0,80	0,04	-	-	-
		spec. max.	0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05
		actual	0,67	0,43	0,24	0,13	0,85	0,17	0,05	0,03	0,02

Zugprüfung LT / tensile test LT

BNr/Los Lot-No.	Zustand tempor	Richtung direction	Tests			UTS	YS	A2"		
				[ksf]	[ksf]	[%]				
			spec.min.	42,0	35,0	10				
			spec.max.	-	-	-				
63212/01	T6	LT	5	from	49,2	43,2	13			
63212/01	T6	LT		lo	49,5	43,4	13			

Sonstige Prüfungen / other tests

Biegeversuch: OK. / Transverse bend test: OK.

Maßkontrolle: OK. / Dimensional Check: OK.

Oberfläche: OK. / Surface inspection: OK.

AMAG

ROLLING

Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 89050631

01 / 1

Rev.: 0

Seite / page:

2 von / of 2

Datum / date:

2017 05 18

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Bemerkungen / notes

Die Dimensionstoleranzen entsprechen ANSI XXX /
As standard, dimensional tolerances are to ANSI XXX

Ausgestellt nach Airbus Zulassung Nr. 30272.

Wir bestätigen, dass die gesamte Lieferung unter Einhaltung und soweit oben nicht anders dargelegt aller Forderungen (Spezifikationen, Zeichnungen, Aufträge) hergestellt und geprüft wurde.

Das Qualitätsmanagementsystem erfüllt die Anforderungen der AUK/SA/001-3.

Hergestellt, kontrolliert und geprüft nach Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland Genehmigung Lieferantennummer V21275

Issued under Airbus Approval No. 30272.

Certified that the whole of the supplies detailed hereon have been manufactured, inspected, tested and unless otherwise stated above conform in all respects to the Specifications, Drawings and Contract.

Order relevant thereto The Quality Management System arrangements in respect of these supplies comply with the requirements of AUK/SA/001-3.

Manufactured, Inspected and tested according Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland approval supplier code V21275

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkstattverständiger / factory specialist

E-Mail / e-mail

Klampfer Josef

josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.

Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling
Werkstattverständiger
ROL-Nr. 015

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061765.125

PO / BATCH NO.: 038419/5018009

DATE: DEC 09 2017

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: .125

QUANTITY RECEIVED: 144 Pcs

THICKNESS RECEIVED: .125

QUANTITY INSPECTED: 144 Pcs

SHEET SIZE ORDERED: 4X12

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: 4X12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N <input type="radio"/>	QQA-A-200/11
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	heat # 6150970
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>pd</u>	SIGNED OFF BY: _____
DATE: <u>DEC 09 2017</u>	DATE: <u>17/12/16</u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION:
QQ-A-250-11 OR AMS-QQA-250/11
OR AAMS 4025 OR AMS 4027
OR ASTM B209

PART NUMBER:

M6061T6S | XXX

| THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

E.G. 0.063" THICK SHEET = M6061T6S 063

PREFERRED SIZE:
.000 BY 4FT BY 8FT

RELEASED
2009-09-10
[Signature]

B	REFORMAT DWG. ADD B209 SPEC (ZN D8-1), REF PAR 08-020A	C/P	09-07-13
A	NEW ISSUE	DS	01-06-08
REV.	DESCRIPTION	BY	DATE
DESIGN	DART AEROSPACE LTD		
DRAWN	HAWKESBURY, ONTARIO, CANADA		
CHECKED			
MF.G. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		

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MILL TEST/QUALITY CONTROL CERTIFICATE

ALNAN ALUMINUM INC.

No.55 TingHong Road Nanning,Guangxi,530031,China

5

CUSTOMER		ADDRESS		PRODUCT TYPE		DATE:February 05, 2016														
EMPIRE RESOURCES, INC.		2115 LINWOOD AVENUE, 2ND FLOOR, FORT LEE, NJ 07024, USA		ALUMINUM SHEET																
UNIQUE Lot Number	HEAT Number	Dimension (mm)	Dimension (inch)	Act Thick. (mm)	Act Thick. (inch)	Weight (kg/m ²)	Alloy	Temper	Al	Cu	Mg	Si	Fe	Mo	Zn	Ti	Cr	Elong (%)	UTS kg/mm ²	Vield kg/mm ²
Standard	Standard	0.153-0.173	0.006-0.007				6061	T6	remainder	0.15-0.40	0.8-1.2	0.10-0.15	0.1%max.	0.25mmx0.15mmx0.04-0.35				10min.	42min.35min.	
Standard	Standard	0.205-0.229	0.005-0.009				6061	T6	remainder	0.15-0.40	0.8-1.2	0.10-0.13	0.1%max.	0.25mmx0.15mmx0.04-0.35				6min.	42min.35min.	
Standard	Standard	0.254-0.308	0.010-0.020				6061	T6	remainder	0.15-0.40	0.8-1.2	0.10-0.13	0.1%max.	0.25mmx0.15mmx0.04-0.35				12min.	35min.	
Standard	Standard	0.353-	0.021-0.219				6061	T6	remainder	0.15-0.40	0.8-1.2	0.10-0.13	0.1%max.	0.25mmx0.15mmx0.04-0.35				18min.	42min.35min.	
201602040101 6153970 1.175*1219.2*3657.5 0.125*48.0*1440 3.100 0.122 1.725 6061 T6 remainder 0.29 1.03 0.63 0.24 0.13 0.11 0.03 0.26 15.5 47.0 40.6																				
201602040103 6153970 1.175*1219.2*3657.5 0.125*48.0*1440 3.100 0.122 1.722 6061 T6 remainder 0.29 1.03 0.63 0.24 0.13 0.11 0.03 0.26 15.5 47.0 40.6																				
201602040104 6153970 1.175*1219.2*3657.5 0.125*48.0*1440 3.100 0.122 1.725 6061 T6 remainder 0.29 1.03 0.63 0.24 0.13 0.11 0.03 0.26 15.5 47.0 40.6																				
201602040105 6153970 1.175*1219.2*3657.5 0.125*48.0*1440 3.100 0.122 1.803 6061 T6 remainder 0.29 1.03 0.63 0.24 0.13 0.11 0.03 0.26 15.5 47.0 40.6																				
201602040106 6153970 1.175*1219.2*3657.5 0.125*48.0*1440 3.100 0.122 1.738 6061 T6 remainder 0.29 1.03 0.63 0.24 0.13 0.11 0.03 0.26 15.5 47.0 40.6																				

ORIGIN OF GOODS AS ALUMINUM ALUMINUM INC.

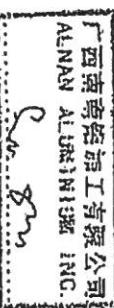
ACTUAL MILL CHEMICAL AND MECHANICAL PROPERTY TEST REPORTS IN SUPERFICIAL NOMENCLATURE REQUIRED PER SGS MATERIAL CONFORMS FOR ALLOY 6061-T6, AS PER AMS QDA 25011, AMS 4027, ASTM B209-10 SB-209 AND ALUMINUM ASSOCIATION STANDARDS IN ALL ASPECTS.

COUNTRY OF MELT AND MANUFACTURE-CHINA

Issued by **Q.437**

S. Liu

Reviewed by **Q.436**



C. Sun

PA6 14/6 V

MILL TEST/QUALITY CONTROL CERTIFICATE

ALNAN ALUMINUM INC.

No.55 TingHong Road Nanning,Guangxi,530031,China

CUSTOMER EMPIRE RESOURCES, INC.	ADDRESS 2115 LINWOOD AVENUE, 2ND FLOOR, FORT LEE, NJ 07024, USA	PRODUCT TYPE PRIME ALUMINUM COIL	DATE February 20, 2016
------------------------------------	--	-------------------------------------	---------------------------

UNIQUE Lot Number	HEAT Number	Dimension (mm)	Dimension (inch)	Act Thick (mm) (inch)	Act Thick (mm) (inch)	Weight MT	Alloy Temper	Al	Cu	Mg	Si	Fe	Mn	Zn	Ti	Cr	Elong (%)	UTS ksi	Yield ksi	
Standard	Standard	0.440-1.625	0.017-0.064			6061	T6	remainder	0.15-0.40	0.8-1.2	0.40-0.8	0.7max.	0.15max.	0.25max.	0.15max.	0.84-1.35	10min.	42.0min.	33.0min.	
Standard	Standard	1.651-2.251	0.065-0.128			6061	T6	remainder	0.15-0.40	0.8-1.2	0.40-0.8	0.7max.	0.15max.	0.25max.	0.15max.	0.64-0.95	10min.	42.0min.	33.0min.	
Standard	Standard	3.277-6.325	0.129-0.249			6061	T6	remainder	0.15-0.40	0.8-1.2	0.40-0.8	0.7max.	0.15max.	0.25max.	0.15max.	0.84-0.95	10min.	42.0min.	33.0min.	
20160720B0117	6130983001	1.600-2.219.2	0.063-0.45	1.541	0.661	4.698	6061	T6	remainder	0.23	1.07	0.66	0.28	0.12	0.36	0.03	0.74	13.5	44.5	39.0
The following blank																				

ORIGIN OF GOODS AS ALNAN ALUMINUM INC.

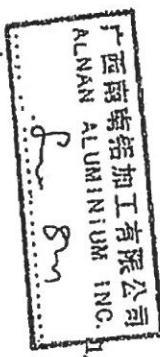
ACTUAL MILL CHEMICAL AND MECHANICAL PROPERTY TEST REPORTS IN IMPERIAL NOMENCLATURE REQUIRED PER SKID

MATERIAL CONFORMS FOR ALLOY 6061, T6, AS PER ASTM B209-10,AMS QQA 25/11, AMS 4027 AND ALUMINUM ASSOCIATION STANDARDS-2009 IN ALL ASPECTS.

COUNTRY OF MELT AND MANUFACTURE-CHINA

Issued by [OA73]

Reviewed by [QA77]



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303R 2.000
 DATE: DEC 08 2017

PO / BATCH NO.: 038419/5018010
5018003

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 48"
 QUANTITY INSPECTED: 48"
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.000
 THICKNESS RECEIVED: 2.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Astm A582</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Heat # 6254</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>jl</u> DATE: <u>DEC 08 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

 SPECIFICATION:
ASTM A582

M303RD.DDD
[DIA.]

WHERE "D.DDD" = DIAMETER IN INCHES
EG. 0.75" ROUND BAR = M303RD0.750

C

B

RECEIVED
2010-07-02


B	REFORMAT DWG. ADD SPECS (ZN D8-1), REF PAR 08-020A	CP	10.01.05
A	NEW ISSUE	DS	01.12.20
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		M303R	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		303 ROUND BAR	NTS
DATE	10.01.05		

A

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
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NO PART OF THIS DRAWING IS TO BE USED FOR ANY PURPOSE OR COMMERCIALIZED WITHOUT THE WRITTEN CONSENT OF DART AEROSPACE LTD.

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CERTIFICATE OF TEST

CERTIFICAT D'ESAI

10/5/17
NS
Page 01 of 02

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Certification Date
23-NOV-2017

AC00011454

Invoice Number
S700403

PART NUMBER/NUMÉRO DE PIÈCE

508846

SOLD TO: ACIER OUELLETTE INC. SHIP TO: ACIER OUELLETTE INC.
VENDU À: DIVISION SALABERRY DE VALLEYFIELD DIVISION SALABERRY DE VALLEYFIELD
935, BOUL. DU HAVRE 935, BOUL. DU HAVRE
SALABERRY-DE- VALLEYFIELD QC J6S 5L1 SALABERRY-DE- VALLEYFIELD QC J6S 5L1

Description: 303 CF ANN BAR ASTM A582

2 RD X 12' RL

HEAT: 6254

ITEM: 508846

Line Total: 588 LB

Specifications:

AMS 5640 TYPE 1 U

ASTM A388/A 388M 15

ASTM A582 M17

ASTM E381 12

S
17/12/14

CHEMICAL ANALYSIS

C	SI	MN	P	S	CR	MO	NI
0.06	0.31	1.70	0.039	0.266	17.55	0.23	8.08

CU	N
0.22	0.058

RCPT: R286368

COUNTRY OF ORIGIN : INDIA

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR MPa	ULT TEN MPa	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
	285.0	616.0	56.0	59.0	181

MATERIAL IS FREE FROM MERCURY CONTAMINATION
NO WELD REPAIR PERFORMED ON MATERIAL
THERMAL TREATMENT: OK
HEAT TREATMENT: MATERIAL SOL ANNEALED AT 1050 C SOAKING
FOR 2 HRS & WATER QUENCHED
MACRO: OK

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES

MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST

CERTIFICAT D'ESAIS

Page 02 of 02

Certification Date
23-NOV-2017

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT
AC00011454

Invoice Number
S700403

PART NUMBER/NUMÉRO DE PIÈCE
508846

SOLD TO:	ACIER OUELLETTE INC.	SHIP TO:	ACIER OUELLETTE INC.
VENDU À:	DIVISION SALABERRY DE VALLEYFIELD 935, BOUL. DU HAVRE SALABERRY-DE- VALLEYFIELD QC J6S 5L1	EXPÉDIÉ À:	DIVISION SALABERRY DE VALLEYFIELD 935, BOUL. DU HAVRE SALABERRY-DE- VALLEYFIELD QC J6
Description:	303 CF ANN BAR ASTM A582 2 RD X 12' R/L	Line Total:	588 LB
HEAT:	6254	ITEM:	508846

COMMENTS

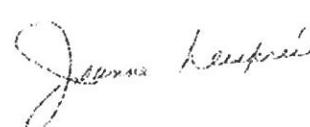
country of origin: india

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with anyone while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1018 RO.500
 DATE: DEC 08 2017

PO / BATCH NO.: 038419/5018011

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 19'
 QUANTITY INSPECTED: 19'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500
 THICKNESS RECEIVED: 0.500
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N	Astm A108
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N	Heat # 140431
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>rd</u>	SIGNED OFF BY: _____
DATE: <u>DEC 08 2017</u>	DATE: <u>11/12/17</u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

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D

PURCHASE MATERIAL: AISI 1018-1025 ROUND BAR
SPECIFICATION: MIL-S-7097 OR ASTM A108
PART NUMBER: M1018-R DDDD WHERE D.DDD = DIAMETER IN INCHES

C

PER ASTM A108 AS FOLLOWS:

SIZE	TOLERANCE
UP TO 1 5/8" INCL.	+0.000/-0.002
OVER 1 5/8" TO 2 5/8" INCL.	+0.000/-0.003
OVER 2 5/8" TO 4 0" INCL.	+0.000/-0.004
OVER 4 0" TO 6 0" INCL.	+0.000/-0.005
OVER 6 0" TO 8 0" INCL.	+0.000/-0.006

TOLENCES:

B

PER ASTM A108 AS FOLLOWS:

SIZE	TOLERANCE
UP TO 1 5/8" INCL.	+0.000/-0.002
OVER 1 5/8" TO 2 5/8" INCL.	+0.000/-0.003
OVER 2 5/8" TO 4 0" INCL.	+0.000/-0.004
OVER 4 0" TO 6 0" INCL.	+0.000/-0.005
OVER 6 0" TO 8 0" INCL.	+0.000/-0.006

C

B

10/18-1025 ROUND BAR
2012-09-24
M

B		REFORMAT, ADD ASTM A108, ADD TOLERANCES		CP	12-09-05
A	REV.	NEW ISSUE	DESCRIPTION	DS	01-06-12
				BY	DATE
DESIGN	DS				
DRAWN	CP				
CHECKED	CP				
MFG. APPR.	CP				
APPROVED	CP				
DE-APPR.	CP				
DATE	12-09-05				

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B		REFORMAT, ADD ASTM A108, ADD TOLERANCES		CP	12-09-05
A	REV.	NEW ISSUE	DESCRIPTION	DS	01-06-12
				BY	DATE
DESIGN	DS				
DRAWN	CP				
CHECKED	CP				
MFG. APPR.	CP				
APPROVED	CP				
DE-APPR.	CP				
DATE	12-09-05				

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10/18-1025 ROUND BAR

2012-09-24

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TRA 1525 48933
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ARANA Y LUPARDO, 2
48490 UGAO-MIRAVAJES/VIZCAYA (SPAIN)
Tfn.: 946480211
Fax: 946480128
Email: calpradera@calibradospradera.es
www.calibradospradera.es

CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a / Made according to:

EN 10204/DIN 50049

3.1

Nº CERTIFICADO / CERTIFICATE NR.: 48819

ALBARAN Delivery Note Nr.	48819	CLIENTE CUSTOMER	I.E.S ACIFRS TRANSBEC (1997) LTÉE
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Norma : EN 10277

Productos Calibrados de acero. Condiciones técnicas de suministro.

Norm :

Bright steel products. Technical delivery conditions.

PRODUCTO SOLICITADO / PRODUCT ACCORDING ASTM A108

5
17/12/14

Nº FABRICO / Purchase Order	DESCRIPCION / Description	UNIDAD / Unit	VALORES / Values	COEFICIENTE / COEFFICIENTE	OF	XUSTADA / Maatwerken
PAR-47851	1018 CUA. ESTIRADO 12,70 (1/2")		880	-0,110	916617	12,70
OU-47812	1048 CUA. ESTIRADO 12,70 (1/2")		982	-0,110	916617	12,70
AQM-47672	1018 CUA. ESTIRADO 38,10 (1 1/2")		1.018	-0,160	139549	38,10
PAJ-48073	1018 CUA. ESTIRADO 12,70 (1/2")		990	-0,110	916617	12,70
PAJ-48073	1018 CUA. ESTIRADO 38,10 (1 1/2")		1.016	-0,160	139756	38,10
MJP-47896	1018 CUA. ESTIRADO 38,10 (1 1/2")		2.032	-0,160	139775	38,10
MN-47094	1018 CUA. ESTIRADO 38,10 (1 1/2")		892	-0,160	139817	38,10
MN-47094	12L14 RED. ESTIRADO 31,75 (1 1/4")		892	-0,051	202514	31,75
PAJ-48097	1018 CUA. ESTIRADO 38,10 (1 1/2")		886	-0,160	140120	38,10
PAR-48177	1018 CUA. ESTIRADO 25,40 (1")		1.036	-0,130	916780	25,40
PAR-48177	1018 RÉD. ESTIRADO 25,40 (1")		4.004	-0,051	140110	25,40
PAR-48177	12L14 RED. ESTIRADO 22,23 (7/8")		994	-0,051	202551	22,23
PAR-48177	12L14 HTFX ESTIRADO 28,58 (1 1/8")		1.056	-0,076	916960	28,58
MJP-48227	1018 RED. ESTIRADO 12,70 (1/2")		1.030	-0,051	140121	12,70
OU-48310	12L14 RED. ESTIRADO 15,88 (5/8")		1.008	-0,051	140427	15,88
OU-48310	1018 RED. ESTIRADO 6,35 (1/4")		1.062	-0,051	140428	6,35
OU-48310	1018 RED. ESTIRADO 19,05 (3/4")		2.044	-0,051	140430	19,05
OU-48310	1018 RED. ESTIRADO 12,70 (1/2")		1.060	-0,051	140431	12,70
AQM-47689	1018 RED. ESTIRADO 9,53 (3/8")		950	-0,051	140466	9,53

Composición química de la colada / Chemical Analysis of Cast

MEDIDA / Measurement	OF	COLADA / Cast Nr.	% C	% Cr	% Cu	% Mn	% Mo	% N	% Ni	% P	% Pb	% S	% Si
12,70 0,00	916617	41450	0,150	0,000	0,000	0,769	0,000	0,000	0,000	0,015	0,000	0,009	0,194
12,70 0,00	916617	41450	0,150	0,000	0,000	0,769	0,000	0,000	0,000	0,015	0,000	0,009	0,194
38,10 0,00	139549	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
12,70 0,00	916617	41450	0,150	0,000	0,000	0,769	0,000	0,000	0,000	0,015	0,000	0,009	0,194
38,10 0,00	139756	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
38,10 0,00	139775	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
38,10 0,00	139817	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
31,75 0,00	202514	40991 W	0,070	0,140	0,270	1,110	0,030	0,000	0,120	0,052	0,210	0,313	0,020
38,10 0,00	140120	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
25,40 0,00	916780	41544 C	0,160	0,000	0,000	0,720	0,000	0,000	0,000	0,016	0,000	0,023	0,160
25,40 0,00	140110	41830 G	0,170	0,000	0,000	0,670	0,000	0,000	0,000	0,011	0,000	0,018	0,134
22,23 0,00	202551	41687 AG	0,070	0,046	0,012	1,130	0,006	0,000	0,023	0,064	0,270	0,300	0,003
28,58 0,00	916960	41658 AG	0,070	0,080	0,010	1,090	0,011	0,000	0,024	0,056	0,300	0,300	0,005
12,70 0,00	140121	41690 GM	0,170	0,000	0,029	0,710	0,000	0,007	0,000	0,020	0,000	0,008	0,160
15,88 0,00	140427	41826 G	0,066	0,028	0,085	1,125	0,010	0,000	0,033	0,044	0,260	0,304	0,017
6,35 0,00	140428	41480 GM	0,160	0,000	0,000	0,750	0,000	0,000	0,000	0,021	0,000	0,032	0,160
19,05 0,00	140430	41702 AG	0,177	0,000	0,119	0,787	0,000	0,002	0,000	0,013	0,000	0,022	0,201
12,70 0,00	140431	41705 GM	0,160	0,000	0,266	0,720	0,000	0,012	0,000	0,013	0,000	0,012	0,170
9,53 0,00	140466	41460 GM	0,160	0,000	0,000	0,750	0,000	0,000	0,000	0,021	0,000	0,032	0,160

rd



ARANA Y LUPARDO, 2
48490 UGAO-MIRAVALLES/VIZCAYA (SPAIN)
Tfno.: 946480211
Fax: 946480128
Email: calpradera@calibradospradera.es
www.calibradospradera.es

CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a /Made according to:

EN 10204/DIN 50049

3.1

Nº CERTIFICADO / CERTIFICATE NR.: 48819

ALBARAN 48819 Delivery Note Nr.	CLIENTE LES ACIERS TRANSBEC (1997) LTÉE CUSTOMER
------------------------------------	---

Norma : EN 10277 Productos Calibrados de acero. Condiciones técnicas de suministro.

Norm : Bright steel products. Technical delivery conditions.

Características mecánicas / Mechanical properties

MEDIDA <i>Measurement</i>	OF	COLADA <i>Cast Nr.</i>	Resistencia <i>Tens. strength</i> N/mm ²	Lim.elástico <i>Yield point</i> 0,2% N/mm ²	Alargamiento <i>Elongation</i> Lo=50 mm.	Dureza HB <i>Hardness</i> HB	Estricción %
12,70	916617	41450	606,20	550,30	15,40	185,00	61,50
12,70	916617	41450	606,20	550,30	15,40	185,00	61,50
38,10	139549	41798	472,00	314,00	33,00	0,00	0,00
12,70	916617	41450	606,20	550,30	15,40	185,00	61,50
38,10	139756	41798	472,00	314,00	33,00	0,00	0,00
38,10	139775	41798	472,00	314,00	33,00	0,00	0,00
38,10	139817	41798	472,00	314,00	33,00	0,00	0,00
31,75	202514	40991 W	545,20	529,60	24,08	200,00	40,07
38,10	140120	41798	472,00	314,00	33,00	0,00	0,00
25,40	916780	41544 C	499,00	321,00	29,00	0,00	0,00
25,40	140110	41830 G	608,12	588,78	27,36	205,00	57,24
22,23	202551	41687 AG	551,91	540,60	17,60	190,00	49,80
28,58	916960	41658 AG	491,80	472,70	25,70	162,00	50,83
12,70	140121	41690 GM	647,41	585,28	16,92	228,00	63,62
15,88	140427	41826 G	588,93	579,26	11,28	175,00	41,65
6,35	140428	41480 GM	536,00	0,00	35,90	0,00	0,00
19,05	140430	41702 AG	609,50	579,72	16,86	180,00	61,57
12,70	140431	41705 GM	612,53	597,86	13,40	195,00	46,67
9,53	140166	41460 GM	524,00	0,00	33,50	0,00	0,00

Calidad Superficial

DESCRIPCIÓN <i>Description</i>	OF	Clase <i>EN 10277-1</i>
12L14 RED. ESTIRADO 31,75 (1 1/4")	202514	3
12L14 RED. ESTIRADO 22,23 (7/8")	202551	3
12L14 HEX. ESTIRADO 28,58 (1 1/8")	916960	1
1018 RED. ESTIRADO 12,70 (1/2")	140121	3
12L14 RED. ESTIRADO 15,88 (5/8")	140427	3
1018 RED. ESTIRADO 6,35 (1/4")	140428	2
1018 RED. ESTIRADO 19,05 (3/4")	140430	2
1018 RED. ESTIRADO 12,70 (1/2")	140431	3
1018 RED. ESTIRADO 9,53 (3/8")	140166	2

Observaciones: BARRAS DE ACERO ESTIRADAS EN FRIO SIN ALEAR



ARANA Y LUPARDO, 2
48490 UGAO-MIRAVELLES/VIZCAYA (SPAIN)
Tfno.: 946480211
Fax: 946480128
Email: calpradera@calibradospradera.es
www.calibradospradera.es

CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a /Made according to:

EN 10204/DIN 50049

3.1

Nº CERTIFICADO / CERTIFICATE NR.: 48819

ALBARAN 48819 <i>Delivery Note Nr.</i>	CLIENTE IES ACIERS TRANSHEC (1997) LTÉE <i>CUSTOMER</i>
---	--

Norma : EN 10277 Productos Calibrados de acero. Condiciones técnicas de suministro.

Norm : Bright steel products. Technical delivery conditions.

DEPARTAMENTO DE CALIDAD: Certifica que el mencionado producto cumple con las especificaciones del pedido.

QUALITY DEPARTMENT: Certify that the product fulfills the order specifications.

Fecha/Date: 20/09/2017

Firmado: Susana Fernández
Directora de Calidad



Sistema de
Calidad
ISO 9001:2008
www.tuv.com
ID 111350024

CO. 63121 DART

P0.11539

AMAG
ROLLING

Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate - mill certificate

Nr.: 89050631

01 / 1

Rev.: 0

Seite / page:

1 von / of 2

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Datum / date:

2017 05 18

	Bestell Nr. / order no.:	C 73968
	Datum / date:	2017 01 27
	Auftragsbest. Nr. / order confirm no.:	125470
	Datum / date:	2017 01 30

	Lieferschein Nr. / delivery note:	89050631
	Datum / date:	2017 06 30

Produkt / product	Bedingungen / terms
Form / form: Sheet Werkstoff / material: 6061 ✓ Zustand / temper: T6 ✓ Dim. / dim.: [inch]: 0,040x48,00x144,00 ✓	Technische Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 14 ✓ AMS 4027N, 07.2008 Cessna CMMP019, Rev. D, 09-07-01 Cessna CMMP025, Rev. V, 2-20-15 Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los Lot/No.	Teillos Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
03	63212/01	00	01/0082345/7	6061	1254700013	2339,065 lbs	87
03	63212/01	00	01/0082345/7	6061	1254700014	2343,474 lbs	87

Chemische Zusammensetzung ([%] Gewichtsanteile) / Chemical composition ([%] weight proportion (OES))										
Guss Nr. / cast no.	material									
		Si	Fe	Cu	Mn	Mg	Cr	Zn	P	Others Total
01/0082345/7	6061	0,40	-	0,15	-	0,80	0,04	-	-	-
	spec. min.	0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05
	spec. max.	0,67	0,43	0,24	0,13	0,85	0,17	0,05	0,03	0,02
	actual									

Zugprüfung LT / tensile test LT									
BNr/Los	Zustand	Richtung	Tests		UTS	YS	A2"		
Lot/No.	temper	direction			[ksi]	[ksi]	[%]		
			spec.min.	42,0	35,0	10			
			spec.max.	-	-	-			
63212/01	T6	LT	5	from	49,2	43,2	13		
63212/01	T6	LT		to	49,5	43,4	13		

Sonstige Prüfungen / other tests									
Biegeversuch: OK. / Transverse bend test: OK.									
Maßkontrolle: OK. / Dimensional Check: OK.									
Oberfläche: OK. / Surface inspection: OK.									

AMAG

ROLLING

Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 89050631

01 / 1

Rev.: 0

Seite / page:

2 von / of 2

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 8100, ISO 14001, NADCAP

Datum / date:

2017 05 18

Bemerkungen / notes

Die Dimensionstoleranzen entsprechen ANSI XXX /
As standard, dimensional tolerances are to ANSI XXX

Ausgestellt nach Airbus Zulassung Nr. 30272.

Wir bestätigen, dass die gesamte Lieferung unter Einhaltung und soweit oben nicht anders dargelegt aller Forderungen (Spezifikationen, Zeichnungen, Aufträge) hergestellt und geprüft wurde.

Das Qualitätsmanagementsystem erfüllt die Anforderungen der AUK/SA/001-3.

Hergestellt, kontrolliert und geprüft nach Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland Genehmigung Lieferantennummer V21275

Issued under Airbus Approval No. 30272.

Certified that the whole of the supplies detailed hereon have been manufactured, inspected, tested and unless otherwise stated above conform in all respects to the Specifications, Drawings and Contract.

Order relevant thereto The Quality Management System arrangements in respect of these supplies comply with the requirements of AUK/SA/001-3.

Manufactured, inspected and tested according Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland approval supplier code V21275

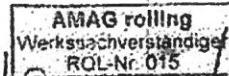
Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkssachverständiger / factory specialist	E-Mail / e-mail
Klampfer Josef	josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.

Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.



**NOTICE OF SHIPMENT/
PACKING LIST**



AL 6168-6 0814

CUST ORD NO & DATE	FORMS DISTRIBUTION	SHIP TO	SPEC
C17166	1		

CUST CODE	CUST CODE	CUST CODE	CUST CODE
09/12/16	788650	VANDERGRIFT, PA	515916
REPEAT ORDER	DO PRICING	GOVT CONTRACT	13020102060000
00023-0	25	7219 .33 .0000	30-096-179
PRIME SEC.			SHIPPING LOCATION
DSO			1124 VANDERGRIFT
30	45		PA

CERTIFICATE OF TEST

Flat Rolled Products		CARRIER - SUNTECK TRANSPORTATION	
ACCEPTING MILL	SHIPPER NO	PRODUCT CODE	MILL ORDER NUMBER
		13020102060000	09/13/16
		515916	INVOICE
		MAINT.	
REPEAT ORDER	DO PRICING	1124	667644
00023-0	25		
PRIME SEC.			
DSO			
30	45		

GRADE
"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304 /304L)

EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL.

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

THE HARDNESS CONVERSION WAS PERFORMED USING EQUATIONS GIVEN IN ASTM E140 DEVELOPED FROM DATA IN TABLES 1, 2, 3, 5, AND 6. THE PARTICULAR EQUATION USED WAS BASED ON MATERIAL TYPE AND MEASURED HARDNESS SCALE. PER ASTM E140; THE CONVERSION VALUES ARE ONLY APPROXIMATE AND MAY BE INACCURATE FOR SPECIFIC APPLICATION.

THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI FRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI FRP QUALITY MANUAL, MANUAL REVISION 24 DATED 10/16/2015.

ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES FOR TESTING LOCATIONS TC, BN, MI, & LO:
 C, S BY COMBUSTION/INFRARED
 N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
 MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF
 B BY OES
 AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
 PB, BI, AG BY GFMA

PAGE 02 - CONTINUED ON PAGE 03

CONSIGNEE: Please Note:- This consignment was turned over to

ATI in its class condition, being correctly packed at weight and quantity. Our responsibility for loss or damage in shipment ceases at the time of delivery to the carrier or to the party to whom it arrives if any shortage or damage occurs during shipment. If any shortage or damage occurs during transportation, advise us by telegraph or wiregram as soon as possible. Description made by transportation agent on waybill before signing

WARNING

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in ATI Flat Rolled Products Order Acknowledgment.

Stephen Womack
Director, Corporate Quality Assurance

09/13/16 09:23:28

**NOTICE OF SHIPMENT/
PACKING LIST**



CUST ORD NO & DATE
C17166
SOLD TO → | FORMS DISTRIBUTION | SHIP TO → | SPEC |
1

CUST CODE | 09/12/16 | CUST CODE | 09/12/16 |
788650 | **VANDERGRIFT**, PA |
REPEAT ORDER | DO PRI. RATE | GOVT CONTRACT |
00023-0 | **25** |
PRIME SEC. | DSO DSO |
30 45

ACCEPTING MILL | SHIPPER NO
515916
MATL |
7219.33.0000

PRODUCT CODE | MILL ORDER NUMBER | DATE SHIPPED
13020102060000 | **30-096-179** | **09/13/16**
MATERIAL | SHIPPING LOCATION | INVOICE
1124 | **VANDERGRIFT** | **PA** | **667644**

CERTIFICATE OF TEST

AL 6168-6 0814

GRADE

"ATI 304" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (304/304L)

ATI FLAT ROLLED PRODUCTS HAS NO CONTROL OVER CUSTOMER PROCESSING OF MATERIAL; INCLUDING, BUT NOT LIMITED TO, BUFFING OR ELECTROPOLISHING MATERIAL WITH A 2B OR OTHER FINISH, AND DOES NOT REPRESENT OR GUARANTY THAT THE MATERIAL IS SUITABLE FOR ANY PARTICULAR PROCESS OR USE OF CUSTOMER.

EN 10204:2005 3.1 CERTIFICATE.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

BN = ATI-FLAT ROLLED PRODUCTS; 100 RIVER ROAD; BRACKENRIDGE, PA 15014
TC = ATI-FLAT ROLLED PRODUCTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

<<<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>>
<<<<<<< REGISTER AT MYATI.ATIMETALS.COM >>>>>>

PAGE 03 - FINAL PAGE.

CONSIGNEE: Please Note... This consignment was turned over to
our first class carrier, being correctly packed, at which time
no claim for loss or damage in shipment caused by your
protection package or otherwise, if any shortage or damage
is discovered upon arrival at destination, it is your
responsibility to file a claim with your insurance agent or
agent before signing.

WARNING

Safety Data Sheets for this product are available on our
website, www.ATIMetals.com. A thorough review of the
Safety Data Sheet for the grade of material purchased shall
be performed prior to working with this product and all safety
& health considerations outlined must be implemented

09/13/16 09:23:28

The above is a true copy of data on file. The material and test results conform to the sales contract
and specification(s) as set forth in ATI Flat Rolled Products' Order Acknowledgement.
Stephen Wohl -
Director, Corporate Quality Assurance

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M3045246A
 DATE: DEC 11 2017

PO / BATCH NO.: 038418/5018004/502064
 Qty X2
 Qty X1

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 64' x 32' = 96'
 QUANTITY INSPECTED: 64' x 32' = 96'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.25
 THICKNESS RECEIVED: 0.25
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>S. Astm - A-240</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<u>Heat # 849356</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>rj</u> <small>DAS 9 2017</small>	SIGNED OFF BY: _____
DATE: <u>DEC 11 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

D PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED

SPECIFICATION:

MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
DRASTMA20
OR ASME SP-240

FINISH:

DART M-NUMBER IDENTIFIER	
UNPOLISHED No. 1	1P
UNPOLISHED No. 2D	2D
UNPOLISHED No. 2B	NONE
POLISHED No. 3	3P
POLISHED No. 4	4P
BUFFED No. 6	6P
BUFFED No. 7	7P
BUFFED No. 8	8P

PART NUMBER:

M304S [T] [GA #P]
[GA]

WHERE "T" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GAA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN.)	THICKNESS RANGE (IN.)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.026	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.098 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED

2015 FEB 04

EZ-15-1224

D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN C) AND EXAMPLE OF MATERIAL PIN WITH FINISH OTHER THAN 2B (ZN B5). REFORMAT DWG. ADD ASTMSME SPECS (ZN DB-1). ADD GAUGE REF (C8-1). REF PAR 08-020A	MB	12.09.20
B	NEW ISSUE	CP	09.06.01
A	REV. DESCRIPTION	DS	01.09.24
REV.	DATE	BY	DATE

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

REV. D
SHEET 1 OF 1
SCALE
NTS

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1

2